TRB Committees and Scopes

A0000 Technical Activities Council

A0010 International Activities
This committee is concerned with the evolution of an international perspective in all facets of all modes of transportation within the scope of the Board. In consultation with staff and volunteer leaders, it shall advise the Executive Committee and Councils on specific actions that will help to achieve that perspective, including implementation of the specific actions approved by the TRB Executive Committee.

AB000 Policy and Organization Group

ABC00 Section - Management and Leadership

ABC10 Strategic Management
The committee is concerned with the identification of long-range external and internal issues and trends and their implications for transportation organizations; with the processes and structures organizations use to consider these implications and to plan, implement, and measure strategic change; and with the policies, decisions, and institutional structures and relationships that result from this strategic change.

ABC20 Management and Productivity
The committee is concerned with short-range (1-5 year) process and operational approaches that produce improved performance of transportation organizations. The committee will explore, analyze, synthesize, and disseminate leading management and organizational concepts that relate to improved performance.

ABC30 Performance Measurement
This committee is concerned with the use of performance measurement in a broad range of transportation applications. The committee spans the range of performance measurement in transportation through its membership and joint activities with committees across the TRB spectrum. The committee provides a forum for the exchange of ideas, sharing experience, developing research topics and statements, developing and disseminating resource material.

ABC40 Transportation Asset Management
The committee brings together practitioners and researchers to consider current asset management practice across all transportation modes, develops research needs, and encourages dialog and wide dissemination of information through meetings, workshops, conferences, and publications. Asset management is a systematic process for maintaining, upgrading and operating the physical assets of the transportation system by employing engineering principals, economic theory, sound business practice, and information systems to determine optimal short and long-term resource allocations. The committee recommends how the topic can best be addressed within TRB.

ABC99A Committee On Performance Measures To Improve Transportation Systems: Second National Conference
TRB will organize and conduct a conference to examine the state of the practice and implementation experience with performance measures, in order to assist state, regional, and local transportation agencies in making the concept a practical management tool. Future research and implementation needs will also be addressed.

ABE00 Section - Transportation Policy

ABE10 Taxation and Finance
Financial planning and financing necessary to meet transportation needs of all modes, including sources of revenue, allocation of costs among users and nonusers, pricing policies, needs studies, economic and social effects of taxes and subsidy programs, intergovernmental financial arrangements and responsibilities for transportation, and accounting and fiscal management of transportation funds.

ABE20 Transportation Economics
Economic concepts and methods applied to the analysis of transportation systems and infrastructure. Applicable topics include cost - benefit analysis, cost-effectiveness analysis, and redistributive and other economic effects of transportation investment, pricing, regulation, cost allocation, and other public policies.

ABE25 Congestion Pricing
The Committee fosters research aimed to gain a better understanding of the technological, operational, business, administrative, political and institutional aspects of innovative congestion pricing of systems and services for all modes of transportation. Strategies include integrated transit, variable pricing aviation pricing, parking pricing, parking “cash-out”, and other mechanisms that seek to affect transportation demand and use. The Committee seeks to develop a comprehensive understanding of the effects of congestion pricing on the transportation system, in addressing passenger and freight mobility, transit and highway interdependence, and interoperability of systems.

TRB Committees and Scopes

ABE30 Transportation Issues in Major U.S. Cities
This committee will address the transportation problems and issues facing the largest cities in the United States. The focus will be on passenger and freight transportation from the perspective of central city transportation agencies, with emphasis on management, planning, design, maintenance, operations, and finance and coordination with regional and state agencies. The committee will identify problems and issues that large cities have in common, assess the state-of-the-art of transportation in these cities, and define needed research, studies, and information exchange activities to assist in the resolution of large city transportation problems.

ABE40 Critical Transportation Infrastructure Protection
To consider issues relating to threats posed by potential physical, chemical, biological, and cyber attacks on critical transportation infrastructure in the United States. It will develop activities and provide a forum for discussion among the academic community, the private sector, and appropriate government agencies regarding transportation infrastructure assurance. The Committee will also be in a position to support outreach efforts of the USDOT and other federal agencies to the owners and operators of the nation's transportation system from states and municipalities to trucking companies, airlines, barge operators, ocean shipping companies, railroads, mass transit, port and airport authorities, pipelines, and shippers. Attention will be given to a full range of security issues including risk assessment, prevention, technology, procedures and applications, emergency preparedness and response, as well as the integration of security considerations in the planning and operation of the nation's transportation systems.

ABE50 Transportation Demand Management
This committee is concerned with improving traffic flow on our roadway system through the utilization of transportation demand management techniques. These techniques could include: trip reduction ordinances, parking management strategies, ridesharing, transit, and land use/site planning. The objectives of the committee are to provide a focus and a forum within the Transportation Research Board on transportation demand management, and to promote a better understanding of the demand management concept within the transportation profession. Methods of accomplishing these objectives include: newsletters, conferences or regional workshops, sessions at Annual Meetings, etc.

ABE60 Accessible Transportation and Mobility
To study problems relating to the transportation disadvantaged and the services that various modes of transportation should provide for them as well as an assessment of the impact and value of programs directed at improving their mobility.

ABE70 Women's Issues in Transportation
The purpose of this committee is to identify emerging women's issues in the use of transportation; define research needs related to these issues; and stimulate, gather, and disseminate relevant research findings.

ABE80 Native American Transportation Issues
The Committee is concerned with research and practice pertaining to transportation issues on or near tribal lands and communities or affecting tribal historical or cultural properties wherever located. Tribal transportation issues include all modes of moving people and goods from one place to another, all relevant agencies, including tribal, state, federal, regional and local providers, and all relationships and interactive processes of various governmental units -tribal, federal, state, and local - with regard to the development, planning, administration, coordination, and implementation of transportation laws, policies, plans, programs, and projects.

ABE90 Transportation in the Developing Countries
The committee will foster research, global communications and interaction,
and avenues for transfer of intellectual technology on issues related to transportation in the developing countries. Emphasis will be on integrated planning and implementation strategies which consider the appropriate role for all modes: Public transport, MVs, NMVs and Pedestrians, and include the consideration of economic, environmental and social issues as well as the framework of administrative reform and management, private-public sector roles, environmental management, needs of the poor, and the need for appropriate mix of modes for urban and regional transport.

ABG00 Section - Research and Education

ABG10 Conduct of Research
To increase the quality and effectiveness of research through encouragement of better planning, management, and operational practices by organizations engaged in transportation research programs and to assist the Transportation Research Board in its role of stimulating research and serving as a national clearinghouse for research activities.

ABG20 Transportation Education and Training
The scope of this committee includes the improvement of communications among the academic community, the private and public sectors, and governmental agencies involved with academic training in the transportation field and the development of improved educational and training programs at all academic levels and for professional and pre-college education. The committee will be concerned with the present status of education in transportation, with new developments and innovations, with future personnel needs, and with professional training and development.

TRB Committees and Scopes

ABG30 Technology Transfer
This committee is concerned with information exchange and research on the processes and methods for technology transfer, and assisting the Transportation Research Board and other TRB committees in their role as an agent for technology transfer.

ABG40 Library and Information Science for Transportation
This committee serves as a forum for transportation librarians and the transportation research community on developments in information science and their applicability to transportation. The committee facilitates diffusion of national library and information science innovations throughout the transportation community by monitoring the use of new resources and tools in the transportation arena, defining critical research and training issues relating to their implementation, and promoting the benefits of these capabilities.

ABG50 Transportation History
The committee will establish and promote the importance of maintaining a sense of history and preserving important historical archives among transportation professionals. It will provide a forum for transportation historians, custodians of transportation museums, and professional state and national government archivists and historians to exchange information and to identify gaps and opportunities to advance the preservation of transportation history.

ABJ00 Section - Data and Information Systems

ABJ10 National Transportation Data Requirements and Programs
The scope of this committee includes the development of nationwide and international data on transportation needed to support decision making, and data-related research in all sectors of transportation. All aspects of data development are of interest including: design, collection, analysis, reporting, funding, administration, dissemination, and coordination of statistical programs. Of particular interest is the coordination of transportation statistical programs with non-transportation programs; coordination between national level and other programs, including international, private, state, and local systems; and the structuring of statistical standards and criteria that guide the development of comprehensive transportation programs.

ABJ20 Statewide Transportation Data and Information Systems
The scope includes research and technology transfer activities pertaining to statewide transportation planning data and information systems for all modes of transportation. A primary concern is the capability of information systems to integrate various transportation related data sources into a strategic multimodal information database for statewide transportation planning. The committee serves as a forum for discussion of current planning data activities.

ABJ25T Task Force on the 2006 Traffic Monitoring Conference
This task force serves as the planning committee to organize a TRB conference to advance the state of the practice of highway traffic monitoring by facilitating improved interaction among travel data users, data collection program managers, and the professionals who collect and process the data. The planning committee will identify current key issues for the traffic monitoring community and design a conference program to address those issues. Target audiences will include traffic data collectors, traffic data users, managers of data programs in state agencies and metropolitan planning organizations, and the vendors and consultants who work with and for them. The event will include an exhibition of the latest advances in traffic monitoring equipment.

ABJ30 Urban Transportation Data and Information Systems
This committee is interested in the design, collection, analysis, and reporting of transportation supply and demand data needed to support urban and metropolitan transportation planning efforts. In particular, the committee is interested in developing the data requirements of new and innovative techniques for measuring and monitoring the performance of metropolitan transportation systems; and in evaluating changes in demographic and urban travel characteristics. In terms of household and other transportation surveys, the committee is concerned with the analysis, reporting, archiving, and dissemination of results and data products. The committee is interested in the effective use of census and other federal, secondary data sources in metropolitan transportation planning. The committee is concerned with advancements in information systems and information technology for the improved dissemination and sharing of knowledge about metropolitan transportation systems and urban travel behavior.

ABJ40 Travel Survey Methods
The committee focuses on all types of travel or activity surveys, including those pertaining to motorized and non-motorized travel; household and commercial travel; travel involving single or multiple occupancy vehicles; and workplace, visitor, or recreational travel. In terms of these various types of surveys, the committee is concerned with survey design, sampling, instrument development, data collection, data processing, data analysis, and reporting of results.

ABJ50 Information Systems and Technology
This committee is concerned with reviewing and assessing the state-of-the-art in the development and application of information systems and technologies in transportation for productivity improvements. Areas of emphasis are: system user interfaces, data management, and data sharing; web technologies and e-government; delineation and prioritization of research, development, and demonstration programs; encouragement of common semantics and standards in the transportation field; technology transfer among transportation organizations, vendors, and universities; and the impact of computer technologies on transportation organizations.

TRB Committees and Scopes

ABJ60 Spatial Data and Information Science
The scope of this committee includes all aspects of the spatial, locational and temporal data used in transportation. The committee is interested in both research into and applications of this information and its associated information systems, commonly referred to as Geographic Information Systems in Transportation (GIS-T). The committee will provide a focal point for and promote coordination of GIS-T activities within the TRB committee structure. Relevant activities include the application of spatial data and spatial sciences across the entire domain of transportation information systems.

ABJ70 Artificial Intelligence and Advanced Computing Applications
The purpose of this committee is to provide a focal point for expert system research activities across the various transportation-related disciplines, and to act as a forum for the evaluation and dissemination of information relative to the benefits of the technology to the transportation profession. It is understood that other TRB committees, where appropriate, will have subcommittees on expert systems for their specific domain.

ABJ80 Statistical Methodology and Statistical Computer Software in Transportation Research
This committee is concerned with the appropriate application of statistical methods in the field of transportation. The committee will serve as a resource on statistical matters for all other TRB committees or activities; will foster understanding and use of statistics through dissemination and education activities; and will identify and foster research needed in statistics for use in transportation.

ABJ90 Freight Transportation Data
The purposes of the committee are to identify and publicize sources of and needs for data on commodity movements, international trade, freight transportation activity, and the economics and organization of establishments engaged in freight transportation; to advise data collection agencies on cost-effective means of fulfilling essential data needs; and to assist analysts and decision makers in the effective use of freight transportation data.

ABJ95T Task Force on Visualization in Transportation
The scope of the task force is to foster and disseminate research that advances the development, application, and evaluation of visual simulation as an integrated, "core" technology in the life-cycle process of collaboration, system planning, design, operations, and maintenance across all modes of transportation.

ABJ99B Committee for the Conference on Census Data for Transportation Planning: Preparing for the Future
This conference will bring together professionals who use census data for transportation planning activities. Key objectives are to review the journey-to-work products, share analytical and technical practices during a time of change for census methodology and products, and assess ongoing American Community Survey (ACS) research. Conference activities will be documented in a report that will include the project committee's recommendations concerning potential improvements to census methodology and products as well as ways in which federal, state, and regional transportation agencies could enhance their use of census data.

AD000 Planning and Environment Group

ADA00 Section - Transportation System Policy, Planning and Process

ADA10 Statewide Multimodal Transportation Planning
The committee acts as an information exchange and promotes research in all the technical and institutional aspects of comprehensive multimodal statewide transportation planning. The committee will also be concerned with the identification and clarification of the interrelationship of state resource development planning and programming.

ADA20 Metropolitan Policy, Planning, and Processes
The committee is concerned with the institutional relationships and interactive processes associated with metropolitan transportation planning and Metropolitan Planning Organizations (MPOs), and the aspects of those relationships and processes that influence MPO effectiveness. The committee will examine the evolving role and planning processes of MPOs, including, but not necessarily limited to, goal-setting, long-range planning, project identification and selection, and system management and operation. The roles and impact of federal, state, and local governments, quasi-governmental agencies, State DOTs, public transit providers, private organizations, citizen groups, and emerging regional initiatives in the metropolitan transportation planning process are also integral parts of the committee's scope.

ADA30 Transportation Planning for Small and Medium-Sized Communities
The factors relating to the planning, development, and implementation of multi-modal transportation facilities for small and medium-sized communities.

TRB Committees and Scopes

ADA40T Task Force on the Transportation Needs for National Parks and Public Lands
The task force will be concerned with the role of transportation in providing access to and mobility within national parks and other public lands. The task force will provide a forum for transportation and tourism planners and operators and public officials to share experiences regarding access, circulation, and way finding issues of travelers and users in national parks and on public lands. The task force will provide a forum for identification of research needs and requirements regarding recreation travel and tourism.

ADA50 Transportation Programming, Planning, and Systems Evaluation
The committee's activities involve consideration of factors related to identifying needs and transportation goals, establishing programs and plans to achieve these objectives and prioritizing and scheduling transportation projects. Included in these activities are the development of economic and systematic methods for identifying and evaluating transportation system and investment alternatives and their impact on local, regional and national economic vitality and productivity.

ADA60 Public Involvement in Transportation
To develop a conceptual framework for integrating public involvement into the continuing transportation planning process, and to address specific planning and policy questions that have been encountered by transportation agencies in achieving greater public involvement.

ADA70 Access Management
The committee is concerned with strategies for providing or managing access to land development while simultaneously preserving the flow of traffic on the surrounding road system in terms of safety, capacity, and speed.

ADB00 Section - Travel Analysis Methods

ADB10 Traveler Behavior and Values
The committee will be concerned with promoting research and disseminating research results on traveler values, attitudes, and behavior. Traveler values and attitudes refer to motivational, cognitive, situation and disposition factors determining human behavior. Traveler behavior refers primarily to the modeling and analysis of travel demand, based on theories from a variety of scientific fields. These include but are not limited to time use and activity-based approaches, longitudinal methods, and spatial behaviorat any level of aggregation (e.g., individual, household, community, and so forth). The committee will serve as a forum for the development, testing, and dissemination of new interdisciplinary methods of inquiry.

ADB20 Telecommunications and Travel Behavior
Conceptual, methodological, and/or empirical studies of the interrelation between telecommunications and traveler behavior, and the interaction between the demand for travel and the demand for communication via voice or data.

ADB30 Transportation Network Modeling
The committee will promote research and information exchange related to the understanding of the factors affecting the performance of transportation systems, particularly the dependence of the quality of service on systems' characteristics and operating policies; modelling the technological and behavioral relationships that determine the performance of transportation systems; and the development and use of decision models for determining the quantity and quality of the supply of transportation facilities and services. The committee will serve as a focus for the development, adaptation, and implementation of quantitative and computer-based methodologies for the above purposes. The scope and activities of the committee will cut across traditional modal boundaries, seeking unifying conceptual and methodological frameworks, yet highlighting the differences particular to the various modal contexts. As such, it will foster effective and rapid sharing of information and experiences among researchers, practitioners, regulators and decisionmakers in the various modal contexts, in both the private and public sectors.

ADB40 Transportation Demand Forecasting
The focus of this committee includes the development, application, and dissemination of improved demand forecasting techniques, within the integrated context of the interaction of transportation demand with the land-use form, demographic composition, and technological state of the activity-travel environment. All aspects related to theory, data estimation, and application are of direct interest to the committee, with an emphasis on research developments that have the potential to be implemented in the near future.

ADB50 Transportation Planning Applications
This committee is concerned with the application of new or improved transportation planning methods and techniques and their practical application at the regional, corridor, and site level of analysis.

ADB60T Task Force on Moving Activity-Based Approaches To Practice
In the next several years, several large metropolitan planning organizations will be using regional models that are activity-based. These models will need to address questions that span from the very short-term and operational orientation of issues to the very long-term visionary type of policy explorations. This task force will develop a plan to achieve the vision and provide the initial impetus to move activity-based approaches to practice using primarily educational and outreach tools.

ADC00 Section - Environment and Energy

TRB Committees and Scopes

ADC10 Environmental Analysis in Transportation
This committee is concerned with issues relating to the environmental impacts of transportation projects and systems. Emphasis is placed upon planning, decisionmaking, and mitigation strategies, policies, and processes, as well as multidisciplinary impact considerations.

ADC20 Transportation and Air Quality
To examine the full range of relationships between transportation and air quality including regulatory and policy considerations, modeling practices, health effects, new technologies and transportation management strategies.

ADC30T Task Force on Ecology and Transportation
The Task Force identifies and shares information on the science of ecology, best management practices and solutions related to transportation ecology issues at TRB meetings, ICOET, and other transportation and ecology related forums.

ADC40 Transportation-Related Noise and Vibration
To look at transportation-related noise and vibration and to evaluate alternative strategies and control techniques for reducing noise and vibration levels and for evaluating their environmental impact.

ADC50 Historic and Archeological Preservation in Transportation
This committee will consider the laws, regulations, policies, and procedures for the preservation of historic structures and archeological materials, information, and cultures.

ADC60 Waste Management in Transportation
This committee is concerned with pollution prevention, waste management, environmental management systems, and contaminated property assessment and management.

ADC70 Transportation Energy
To consider factors that affect energy efficiency and energy use in passenger and freight transportation and the resulting impacts on energy consumption, energy security, greenhouse gas emissions, and related public concerns.

ADC80 Alternative Transportation Fuels
The emphasis of the committee is on policy analysis, evaluation, and planning as related to alternative transportation fuels. Activities focus on the institutional, behavioral, environmental, and broad technological aspects of the introduction of alternative fuels.

ADD00 Section - Social, Economic, and Cultural Issues

ADD10 Transportation and Economic Development
The committee is concerned with the macroeconomic effects of transportation infrastructure investments, the effects of transportation cost changes on local and regional competitiveness, and methodological issues in defining and measuring effects of transportation investments on economic growth and performance. The committee is also concerned with the economic development effects of varying intermodal and modal investment strategies.

ADD20 Social and Economic Factors of Transportation
All direct and indirect social and economic effects of transportation systems both within the transportation corridor and within the larger regions affected, including those bearing on present and future transportation needs and services.

ADD30 Transportation and Land Development
To look at the interrelationships between transportation and land use and development and to study the effect that different transportation systems and levels of service have on urban shape and also to consider the effects of changing public goals and aspirations, land use planning and control, and environmental and life-style considerations on transportation needs, form and requirements.

ADD40 Transportation and Sustainability
The Committee on Sustainable Transportation advances the understanding of how transportation and sustainability relate and how transportation can contribute to achieving sustainability for economic growth, social equity, and a healthy environment.

ADD40T Task Force on Transportation and Sustainability
To advance the understanding of how transportation and sustainability relate and how transportation can contribute to achieving sustainability for economic growth, social equity and a healthy environment. The task force will provide a forum to foster understanding of the evolving knowledge regarding sustainability and the elements of transportation that are contributing to long-term environmental disturbances. The task force will identify research needed to advance the evolving knowledge of the effects of transportation systems on sustainability. It will consider how the topic will best be addressed within the Transportation Research Board, and what liaisons should be made with other groups.

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ADD50 Environmental Justice in Transportation
The Committee on Enviromental Justice identifies, advances and publishes research to expand understanding of the effects and implications of transportation policies, procedures and actions on minority and low-income populations (EJ populations), and seeks to improve evaluation tools and methodologies.

AF000 Design and Construction Group

AF010T Task Force on Design-Build
The task force will be concerned with the advancement and enhancement of the design-build contracting process for transportation projects. The task force will provide a forum for transportation officials and professionals to share experiences regarding starting, implementing, and completing design-build projects. Specific attention will be given to best practices, lessons learned, and identification of research needs and requirements for future improvements to the design-build process.

AF020T Task Force on Roadway Pavement Preservation
The task force is concerned with the preservation of surfaced and unsurfaced roadways. A specific concern is the establishment of strategic performance goals and the implementation of a cadre of tactical pavement activities ("mix-of-fixes") with available resources in a coordinated effort to advance towards these goals. The integration of the issues of finance, planning/scheduling, design, construction and preservation are all important to the task force. The task force will pull together the technical, operational, and financial aspects of roadway preservation and the best practices being experienced at this time.

AFB00 Section - Design

AFB10 Geometric Design
This committee addresses the design of highway and street geometric elements that affect efficient traffic operations and safety. The committee focuses on the research, development, documentation, and presentation of geometric design criteria, standards, and methods. The committee also encourages the adoption of revised geometric design criteria, standards and methods into operational guides for both state and local governments.

AFB20 Roadside Safety Design
The scope of the committee includes identification of research needs and dissemination of research related to the design, testing, selection, placement, and in-service performance of roadside safety features such as traffic barriers; crash cushions; structural supports for luminaires, signals, and utilities; drainage structures; and other safety features located in the transportation system right-of-way. The scope includes consideration of the impact performance, degree of hazard, environmental factors, and cost-effectiveness that must be considered in the design and use of these features. The primary objective is to aid in the development of roadside safety features that provide cost-effective safety to the traveling public.

AFB30 Low-Volume Roads
This committee is concerned with all aspects of low-volume roads including planning, design, construction, operations and legal areas.

AFB40 Landscape and Environmental Design
This committee is concerned with the design parameters that relate to the protection, conservation, restoration and enhancement of the natural environment and man-made elements of transportation systems and their surroundings. The factors of interest include: aesthetic and scenic quality and visual integration of facilities into their environment; conservation of natural elements; preservation of cultural and historic resources; identification and preservation of scenic opportunities and quality development of roadside facilities to enhance travel experiences.

AFB50T Task Force on Context Sensitive Design/Solutions (CSD/CSS)
This Joint Task Force mission is to facilitate communication with, and coordinate the activities of Transportation Research Board standing committees concerned with development and implementation of the Context Sensitive Design/Context Sensitive Solution project delivery process. The objectives of the Joint Task Force are to provide a focus and a forum within the Transportation Research Board on current issues dealing with all aspects of CSD/CSS.

AFB60 Hydrology, Hydraulics and Water Quality
This committee is concerned with hydrology, hydraulics, and water quality as they pertain to transportation systems. Its scope includes the search for knowledge and techniques for the development of methods, procedures, processes, and values necessary for the location, design, construction, operation, and maintenance of functionally efficient and environmentally sound facilities for surface water drainage, water supply, wastewater treatment, and the protection and enhancement of water quality.

AFB70 Utilities
This committee is concerned with the interrelationships between transportation systems and utilities including the accommodation of utilities in transportation corridors and rights of way.

TRB Committees and Scopes

AFB80 Geospatial Data Acquisition Technologies in Design and Construction
The committee is concerned with transportation applications of improved instrumentation, and new techniques, systems, and procedures in photogrammetry, remote sensing, and surveying. Committee focus includes production of high-accuracy geospatial data; global positioning systems (GPS); collection and analysis of remotely sensed data and imagery; and demonstrating the value of data accuracy standards for geographic information systems (GIS) in design and construction.

AFB99B Committee for the 9th International Conference on Low-Volume Roads
This conference--the ninth in a series of international conferences on this topic--will examine new technologies and techniques used in the planning, design, construction, operation, maintenance, and administration of low-volume roads and roadway systems. The project's goals are to increase the technical literature aimed at solving engineering and management problems unique to low-volume roads and to foster direct communication among practitioners, transportation researchers, and administrators of low-volume roadway systems.

AFD00 Section - Pavement Management

AFD10 Pavement Management Systems
This committee is concerned with the development, evaluation, integration and application of existing and new systems of pavement management and the component concepts and models for all types of pavements. This includes the development, assessment and application of new and existing methods and procedures directed toward a better understanding and description of pavements as a whole and the interrelationships among all factors which influence pavement behavior and performance and which must be taken into consideration in making pavement management decisions, including such factors as loads, environment, strategy alternatives, economics, construction and maintenance.

AFD20 Pavement Monitoring, Evaluation and Data Storage
This committee is concerned with the development of concepts, systems and procedures for the acquisition and processing of data regarding the functional and mechanistic performance of pavements and with the processing, storage and use of the acquired data for better pavement management such as the analysis of pavement behavior as related to past and present conditions and with a view to future performance.

AFD30 Highway Traffic Monitoring
This committee is concerned with all aspects of research in the fields of in-motion weighing, counting, and classification of highway vehicles. Its stimulation and dissemination functions may extend to dynamic vehicle axle loadings and automatic vehicle identification, as well as other areas to improve the accuracy of vehicular flow estimates; it will also extend into the application of weigh-in-motion technology and the utilization of data therefrom in the design and reconstruction of pavements and structures.

AFD40 Full-Scale and Accelerated Pavement Testing
This committee is concerned with full-scale testing of pavements by the use of conventional traffic loading and/or the application of accelerated loading, as well as the evaluation of data generated by such testing. Full-scale and accelerated testing includes all traditional pavement types and materials as well as new and innovative approaches, and may be carried out under laboratory or field conditions using mobile or fixed equipment or conventional traffic.

AFD50 Rigid Pavement Design
This committee is concerned with rigid pavement theory, design and performance and with all factors that influence the physical behavior, service life and economy of these pavements; the interrelationship between these factors; and the use of knowledge of these factors to provide reliable design criteria and improved design models and procedures. Among these factors are the dimensions and mechanical properties of the slab, shoulders and supporting layers, jointing and reinforcing systems, traffic loadings and characterization, materials characterization, terminal anchor systems, environmental conditions and economics.

AFD60 Flexible Pavement Design
This committee is concerned with flexible pavement theory, design and performance and with all factors that influence the physical behavior, service life and economy of these pavements; the interrelationship between these factors; and the use of these factors to provide reliable design criteria and improved design models and procedures. Among the factors of interest are dimensions and mechanical properties of the pavement layers, shoulders and supporting layers or systems, traffic loadings and characterization, materials characterization, environmental conditions and economics.

AFD70 Pavement Rehabilitation
The committee addresses rehabilitation methods, reliable design criteria, and improved performance models intended to extend the service life of existing pavement structures. The committee focuses on the selection of pavement rehabilitation strategies, development and evaluation of structural overlay design procedures, evaluation of other methods for rehabilitation design, and analysis of destructive and nondestructive testing data to determine optimal timing for conducting the rehabilitation.

TRB Committees and Scopes

AFD80 Strength and Deformation Characteristics of Pavement Sections
This committee is concerned with the strength and deformation of the layers and materials comprising the various components of the pavement structure. This includes such characteristics as the response of materials with respect to transient deformations, fatigue, permanent deformations and fracture and the effects of compositional, load and environmental changes on these characteristics as related to the performance of the pavement. The studies can include both laboratory and field investigations of either a destructive or nondestructive nature.

AFD90 Surface Properties - Vehicle Interaction
This committee is concerned with the interactions between vehicle and pavement surfaces as they affect safety, comfort, convenience and economics, including user costs. It promotes the evaluation, modelling and understanding of these interactions and the studies that identify, quantify, measure and model the factors that influence these interactions. It assists in the establishment of limiting criteria for the factors and encourages the application of results toward the improvement of the vehicle-surface property relationship.

AFF00 Section - Structures

AFF10 General Structures
The committee is concerned with the factors that affect the physical behavior, service life, economy, appearance and safety, including the security, of bridges and structures for transportation systems, and the accounting of these factors and their interactions in design procedures and criteria. The specific objectives of this committee include the advancement of new knowledge as it relates to: application of vehicular and environmental loadings; structural movement; safety aspects, operation, maintenance, and natural phenomena; economic considerations including optimization, automation of designs and systems building; aesthetics; and other structure appurtenances. The committee also supports the development of new design concepts and systems.

AFF20 Steel Bridges
This committee is concerned with research into the performance and behavior of steel bridges and their components and with relating knowledge of performance to criteria and procedures for design, rating, constructibility, maintainability, and rehabilitation.

AFF30 Concrete Bridges
This committee is concerned with the performance of concrete bridges and their components, and with relating knowledge of performance to design procedures and criteria.

AFF40 Dynamics and Field Testing of Bridges
This committee is concerned with the dynamics of bridges and the actual behavior of bridges in the field under load including: planning and encouragement of laboratory and field tests, non-destructive evaluation procedures, to determine the responses of bridges to both static and dynamic forces (except seismic); development of analytical methods for use in planning and interpreting these tests; encouragement of field testing to obtain load strain histories; promotion of suitable procedures and instrumentation for testing; interpretation and evaluation of research results; coordination and dissemination of information; and a continuing review of literature and research related to this field.

AFF50 Seismic Design of Bridges
This committee is concerned with the performance of bridges during strong earthquake ground shaking and with the application of that knowledge to seismic design and retrofitting standards. This knowledge includes the overall performance of the complete bridge structural system that includes the superstructure, substructure and foundations. This committee is also concerned with experimental studies that are specifically related to the assessment of the seismic resistance and behavior of bridges. In addition, the committee is interested in the sharing of practices, which could help to enhance the safety and reliability of bridges from a national security standpoint.

AFF60 Tunnels and Underground Structures
This committee is concerned with all factors pertinent to the design and construction of underground transportation structures and their components, including planning and performance, and with efforts to relate this knowledge to design and construction procedures and criteria.

AFF70 Culverts and Hydraulic Structures
This committee is concerned with structural design, manufacture, construction, installation and serviceability of all types of culverts, hydraulic structures, sewers and underground conduits used in transportation facilities.

AFF80 Structural Fiber Reinforced Plastics
This committee is concerned with all aspects of the development and use of structural applications of fiber-reinforced plastic (FRP) composites for transportation related structures; including bridges, maintenance buildings, pipes, sign and luminaire support poles, guide rails, and guard rails. The committee shall provide a forum for gathering, synthesizing, and disseminating information on research and development and on the design, fabrication, serviceability, inspection and repair of fiber-reinforced plastic transportation structures. Activities of this committee will help develop an awareness of the potential benefits of using composites for a wide range of structural applications and provide an incentive for development and conduct of academic courses on FRP composites for civil engineers.

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AFH00 Section - Construction

AFH10 Construction Management
The committee is concerned with new methods, research, implementation of research results, current practices and problems related to the management of construction for all types of transportation facilities.

AFH20 Management of Quality Assurance
The committee concerns itself with all aspects of total quality management as related to the design, construction, maintenance and rehabilitation of transportation facilities. In addition, the committee addresses quality management of laboratory testing, commercial or research, conducted in support of the design, construction, maintenance and rehabilitation of transportation facilities. Specifically, it focuses on the development and application of both engineering and statistical knowledge toward sound, practical and effective quality assurance procedures, as well as methods to achieve high quality design, construction and maintenance at the lowest possible overall cost to meet the needs of the traveling public. These efforts include, but are not necessarily limited to the following: end-result and performance-related specifications; statistical quality assurance and control techniques; acceptance sampling; accuracy and precision of tests; optimal use of limited resources; cost-effectiveness of quality assurance procedures; evaluation of consensus standards, and related educational programs.

AFH30 Emerging Technology for Design and Construction
This committee will concern itself with newly available and coming technology from fields other than transportation, such as electronics, optics, robotics, sensing, information acquisition and processing, and artificial intelligence; the application of such technology to transportation design and construction activities, so as to increase efficiency, productivity, and accuracy; and the problems--institutional, technical, and otherwise--associated with the implementation of that technology.

AFH35T Task Force on Accelerating Innovation in the Highway Industry
The objective of this task force is to effect positive change in the institutional environment that shapes the highway marketplace and its receptiveness to innovation. It will focus on key institutional barriers to innovation and steps that can be taken to remove them. The task force will facilitate short-range changes, as well as develop a long-range and strategic approach because many of the institutional barriers are complex and deeply embedded and will require many years of incremental change. An important function of the task force is to ensure that key decision makers recognize the potential benefits of overcoming innovation impediments in the highway program.

AFH40 Construction of Bridges and Structures
This committee is concerned with all aspects of the construction of structures for transportation systems excluding tunnels.

AFH50 Portland Cement Concrete Pavement Construction
This committee is concerned with all factors relating to the construction and rehabilitation of portland cement concrete pavements.

AFH60 Flexible Pavement Construction and Rehabilitation
This committee is concerned with factors related to construction and rehabilitation of flexible pavements. The primary focus of the committee is the production and placement of hot mix asphalt (HMA) pavements and the construction-related factors that affect the quality of HMA pavement types including but not limited to, dense-graded mixes, open-graded friction courses, stone-mastic asphalt, and asphalt drainage layers. The committee focus also includes: aspects of construction equipment that improve production rate, efficiency or quality of flexible pavement construction or rehabilitation; improved construction methods or procedures for longitudinal and transverse joints; and issues related to quality control and quality assurance of flexible pavements.

AFH70 Fabrication and Inspection of Metal Structures
This committee is concerned with technical matters relating to fabrication and inspection of metal structures.

AFH80 Disadvantaged Business Enterprises (DBE)
This committee exists to serve as an open forum for all parties involved in Disadvantaged Business Enterprises/Women's Business Enterprises/Minority Business Enterprises (DBE/WBE/MBE) issues in transportation, and to promote transportation innovation and progress by seeking and disseminating information on successful and beneficial strategies associated with administration, implementation and achieving the objectives of DBE/WBE/MBE programs.

AFK00 Section - Bituminous Materials

AFK10 General Issues in Asphalt Technology
This committee will establish and utilize positive communication between individuals and groups concerned with the production and use of asphalt materials for the purpose of identifying and exploring issues of mutual interest and concern. The committee will be specifically concerned with needed research pertaining to the properties and use of asphalt materials and will make recommendations as to means of accomplishing research and effecting application of findings. Detailed technical consideration of topics identified will be referred to appropriate committees of the Transportation Research Board and to other organizations.

TRB Committees and Scopes

AFK20 Characteristics of Bituminous Materials
This committee is responsible for determining and improving those characteristics of bituminous materials that influence the elements of highway design, construction and maintenance. Both physical and chemical properties of bituminous materials will be considered as well as the changes that occur in these properties during construction and in service. These characteristics include chemical composition and its relationship to physical properties; wetting and interfacial relationships with contiguous materials; rheology over the range of temperatures during construction and in service; performance as affected by natural elements (including water, freezing and thawing, and thermal changes) and by the action of chemicals; and the ecological effects of bituminous materials.

AFK30 Characteristics of Nonbituminous Components of Bituminous Paving Mixtures
This committee is responsible for defining and measuring the characteristics of nonbituminous components of bituminous paving mixtures which influence the characteristics of such mixtures to meet structural and surface requirements. Specifically the physical, chemical and mineralogical characteristics are of importance. The change in these characteristics with time falls within the scope of this committee. Among materials considered are aggregates, fillers, waste, aggregate substitutes, sulphur and bituminous mixture additives.

AFK40 Characteristics of Bituminous-Aggregate Combinations To Meet Surface Requirements
Scope: This committee is responsible for identification of special properties needed by the surface of bituminous pavements and for the selection, proportioning, and application of materials to achieve and retain these properties. The committee also is concerned with identifying and modeling the changes that occur in these properties due to a change in the bituminous paving materials over a period of time. Specific properties of the surface to be considered include: riding comfort, frictional characteristics, tire and pavement wear, raveling, appearance, light reflection, permeability, water spray reduction, bonding to an underlying layer and such environmental properties as noise.

AFK50 Characteristics of Bituminous Paving Mixtures to Meet Structural Requirements
This committee is concerned with defining and measuring the characteristics of bituminous paving mixtures for use in pavement design, analysis and management; and selecting and proportioning of materials (including aggregates, asphalt binders and additives) to ensure adequate performance for new construction, maintenance or rehabilitation. Some of the most important mixture characteristics for pavement management and life cycle performance include the following: compliance, stiffness, fracture properties, fatigue properties, viscous and plastic deformation properties, and strength properties both initially and over the design life of the mixture. Finally, the committee maintains a responsibility to research aspects of mixture design and analysis with the ultimate goal of facilitating the development of an integrated system that meets specific structural and environmental needs.

AFN00 Section - Concrete Materials

AFN10 Basic Research and Emerging Technologies Related To Concrete
This committee is concerned with advancing basic research and emerging technologies related to concrete and materials used in concrete. The committee also undertakes technology transfer activities to assist practitioners in implementing new and existing technologies.

AFN20 Properties of Concrete
This committee is concerned with the properties of conventional and high-performance concretes. The committee is also concerned with test methods and procedures for measuring the properties of concrete, including non-destructive testing, and procedures for concrete quality control and quality assurance.

AFN30 Durability of Concrete
This committee is concerned with the durability and service life of hydraulic cement concrete in new construction and repairs. The physical and chemical aspects of the behavior of concrete under service conditions, specialized tests for predicting performance of concrete structures and pavements, and corrective measures for concrete subject to distress are of concern to the committee.

AFN40 Concrete Materials and Placement Techniques
This committee is concerned with the characteristics and selection of concrete materials, including cementitious materials, aggregates, admixtures, fiber reinforcement, waste, and recycled materials. The committee is also concerned with proportioning concrete mixtures, methods of consolidation, and curing for new construction and repairs.

AFP00 Section - Geology and Properties of Earth Materials

AFP10 Engineering Geology
This committee is concerned with the principles of engineering geology as they relate to the (1) distribution and relevance of earth materials, (2) potentially hazardous naturally occurring and human-induced geologic hazards, and (3) assessment of risks of damage and/or injury resulting from the occurrence of natural and induced hazards as they can be quantified for application to planning, location, design, construction, and maintenance of transportation systems.

TRB Committees and Scopes

AFP15T Task Force on Rockfall Evaluation and Control
The task force is concerned with rockfall hazards along transportation corridors. Technology is providing many new approaches to both the evaluation and quantification of rockfall hazards and to the design of rockfall protection. Active research in many locations on multiple topics has developed important new baseline data on rockfall processes and the functionality of mitigation options. These results are not yet broadly accessible. No comprehensive source of information concerning all aspects of rockfall is available. The task force is charged with addressing this need for a comprehensive report on Rockfall Evaluation and Control.

AFP20 Exploration and Classification of Earth Materials
This committee is concerned with the exploration and classification of earth materials. Responsibilities include the evaluation and application of all remote sensing, surface and subsurface methods of explorations; and the application, evaluation and correlation of all existing and proposed earth material classifications, surveys, and associated survey techniques.

AFP30 Soil and Rock Properties
This committee is concerned with the engineering properties of earth-related materials as determined by field, laboratory, and in situ and non-destructive tests, and the analysis and interpretation of these tests in terms of design, construction, and performance applications.

AFP40 Physicochemical Phenomena in Soils
This committee is concerned with the physical, chemical, and biological phenomena and interaction in soils and the relation of these phenomena and interactions to the design, construction, operation, and renewal of transportation systems.

AFP50 Frost Action
This committee is concerned with prediction of frost heave and thaw weakening in transportation structures, mitigation and elimination of damage to transportation facilities caused by frost action through improved design, characterizing material behavior as a function of water content and temperature, and rehabilitation of frost-damaged facilities.

AFP60 Engineering Behavior of Unsaturated Soils
This committee is concerned with the magnitude and causes of transient and permanent changes in water movement, water content, shear strength, and volume change in unsaturated soils and other geomaterials. Emphasis will be on how the effects of natural climatic factors and the effects derived from construction and operation of transportation facilities will influence the engineering behavior, soil suction, and constitutive relationships of unsaturated soil and geomaterials in paved and unpaved areas.

AFP70 Mineral Aggregates
This committee is concerned with aggregates, including those synthesized from mineral or other sources, for use in transportation facilities. The committee will consider, but not limit itself to, such matters as aggregate properties, mineralogy, physical and chemical characteristics, degradation, testing for quality control, quality assurance, sources of current and future supply, production, distribution, environmental and safety consequences of production and distribution operations, and subsequent uses of the land after depletion of the aggregate resources.

AFS00 Section - Soil Mechanics

AFS10 Transportation Earthworks
This committee is concerned with all matters related to the design and construction of earthwork, including compaction, the behavior and stability of earth and rock embankments and their foundations, related soil improvement techniques, natural and constructed earth slopes, base and ballast courses, as well as laboratory research and field investigative studies concerning the above, as required for the construction and maintenance of all applicable transportation facilities; and the methods required to insure their cost effective construction and satisfactory performance.

AFS20 Soils and Rock Instrumentation
This committee is concerned with in situ and laboratory instrument systems (excluding nuclear) for static and dynamic measurements such as stress, strain, displacement, temperature, moisture, pore pressure, and density states within soil samples, earth masses, layered systems, and interacting structures. It will concentrate on installation, calibration, and operational techniques; performance capabilities and requirements; data acquisition, transmission, and reduction; and system limitations. Instrumentation applications shall include soil and rock.

AFS30 Foundations of Bridges and Other Structures
This committee is concerned with the local and global behavior, stability, and interaction of structural foundations, and their supporting materials, for permanent and temporary transportation structures (bridges, retaining walls, box culverts, buildings, overhead signs, and other transportation structures).

AFS40 Subsurface Soil-Structure Interaction
This committee is concerned with the analysis, design, and performance of buried structures that are associated with transportation facilities such as buried culverts, grade crossings, and soil-structure systems. Emphasis is placed on understanding the role of soil-structure interaction, including the effects of soil-to-structure relative stiffness in determining the response of the system due to some combination of static, live, and dynamic loadings.

TRB Committees and Scopes

AFS50 Modeling Techniques in Geomechanics
This committee is concerned with advances in analytical and experimental methods of modeling in geomechanics, and their application to the design and construction of transportation facilities. These advances shall include, but shall not be limited to, the newest approaches in numerical modeling such as finite element, discrete element, and artificial neural networking methods, and experimental methods, such as laboratory testing and centrifuge modeling.

AFS60 Subsurface Drainage
This committee is concerned with the sources, movement and collection of subsurface water, and its relation to performance of transportation facilities. Therefore, the committee will identify and focus on activities that include research on the movement of surface infiltrated water and ground water through multi-layer pavement systems and other transportation structures. The committee will also concentrate on research on the theory and behavior of subsurface water movement, development of improved design procedures, specifications, construction and inspection methods, and maintenance practices. These are all aimed at providing operational, cost-effective subsurface drainage systems that will increase the long-term performance of the transportation facilities.

AFS70 Geosynthetics
This committee is concerned with the analyses, design, installation, and performance of geosynthetics employed in transportation facilities. Subjects included will be geotextiles, geogrids, geomembranes, geocomposites, and other materials deemed appropriate to the committee. These concerns extend to specifications, design methodologies, construction techniques, and long-term performance.

AFS80 Cementitious Stabilization
The activities of this committee encompass laboratory and field investigations related to stabilization of geomaterials (soil and rock) with cementitious products consisting of cement, lime, fly ash, or other cementitious compounds used in the construction and maintenance of transportation facilities. Areas of application include foundations, embankments, shoulders, subgrades and bases, recycled construction materials, deep mixing, grouting, fixation and leaching of waste materials, fibrous reinforcement of stabilized materials, and all aspects of such stabilized materials as related to their mixtures, design, and evaluation for applicable modes of transportation.

AFS90 Chemical and Mechanical Stabilization
This committee shall encompass laboratory and field investigations related to stabilization of geomaterials (soil and rock) through chemical and mechanical processes used in the construction and maintenance of transportation facilities. Component items include mechanical stabilization techniques, and the use of chemicals and emulsions as compaction aids, binders, water repellants, dust and water erosion control agents, fixation and leaching control of waste and recycled materials, fibrous reinforcement of stabilized geomaterials, deep mixing, grouting, and all aspects of such stabilized materials properties, mixtures, design, and evaluation for use in foundations, embankments, shoulders, subgrades, bases, and surface courses of applicable modes of transportation.

AH000 Operations and Maintenance Group

AH010T Task Force on Surface Transportation Weather
Provides a forum promoting the exchange of information on the effects of weather on surface transportation both within and between the transportation and meteorological communities. The task force's objective is to promote research and technology transfer on techniques to better manage surface transportation, minimizing the impacts of weather and maximizing safety and mobility.

AHB00 Section - Operations

AHB10 Regional Transportation Systems Management and Operations
This committee is concerned with regional transportation systems management to maximize transportation system performance in metropolitan areas, including coordinated and integrated decision-making approaches to operations and the harmonization of operations with planning, construction, preservation, and maintenance of transportation facilities.

AHB15 Intelligent Transportation Systems
The Intelligent Transportation Systems (ITS) Committee is concerned with ITS systems-level issues. Such issues include conceptual system planning and design, integration of technologies and approaches from various sub-disciplines within ITS, applications to all modes of ground transportation and to facilitate intermodal integration, and evaluation of the overall impacts of ITS on the developers, users, and operators of all parts of the ground transportation system. Activities focus on the broad planning, policy, economic, social, technological, and institutional aspects of the development and implementation of ITS. The Committee also facilitates coordination of ITS-related issues with other standing committees of TRB.

AHB20 Freeway Operations
This committee is concerned with the operational aspects of freeway corridors which affect traffic carrying capacity, operating costs, energy conservation, air quality and motorists' convenience and safety.

TRB Committees and Scopes

AHB25 Traffic Signal Systems
This committee is concerned with provision of the safe and efficient movement of people and goods on surface streets through the use of traffic management systems. The scope includes system design, implementation, operations, and maintenance; development of traffic operations centers; development of traffic management strategies; integration and operational evaluation of surface street systems with freeway, traveler information, and transit systems; and incorporation of surface street systems into Intelligent Transportation Systems (ITS).

AHB30 Vehicle-Highway Automation
This committee is concerned with the development, application, and operation of driver assistance and automated control to the vehicle and highway system. The scope includes all forms and levels of control ranging from driver assistance systems operating on existing streets and highways to full vehicle control systems operating on freeway type and/or dedicated lane facilities. It further includes systems that support specialized highway related functions including maintenance, fleet operations, and similar applications. The emphasis is on control systems that will enhance user safety, system efficiency, and operational performance while providing for increased convenience and trip quality to the highway user. The objectives of the committee are to provide a focus and forum within the TRB for vehicle-highway automation and to promote a better understanding within the transportation profession of these systems including their research, deployment, and operation.

AHB35 High-Occupancy Vehicle Systems
This committee is concerned with priority measures for high-occupancy vehicle (HOVs), including guidelines for planning, designing, operating, and evaluating HOV priority facilities and the development, validation, and dissemination of theoretical, experimental and applied research related to HOV priority facilities. The objectives of the committee include assisting in enhancing the performance, safety, and efficiency of the priority HOV facilities and establishing preferential HOV improvements as an integral element of the urban transportation system.

AHB40 Highway Capacity and Quality of Service
This committee is concerned with relationships among those physical and non-physical factors which are found to affect capacity, traffic flow, comfort, convenience, and safety; measurement techniques for obtaining data for these factors; and acceptable standards of service in terms of measurable characteristics.

AHB45 Traffic Flow Theory and Characteristics
This committee is concerned with the development, validation, and dissemination of theoretical, experimental, and applied research on traffic flow theory and traffic flow characteristics and the determination of the relationship of traffic flow theory and traffic flow characteristics to the planning, design, and operation of transportation systems.

AHB50 Traffic Control Devices
This committee is concerned with the development, design, application, and evaluation of traffic control devices, and their effect on traffic operation and safety.

AHB55 Work Zone Traffic Control
This committee is concerned with optimizing traffic flow and with minimizing hazards to work crews and road users, including pedestrians, in a
cost-effective manner during maintenance,construction, and utility operations on streets and highways. These concerns include improved methods, procedures, materials, equipment, devices, and systems applicable to traffic control in work zones. They extend to the planning, design, installation, operation, maintenance, and removal of such traffic control zones.

AHB60 Highway/Rail Grade Crossings
This committee is concerned with the safety and other affected characteristics (including economic considerations, traffic flow and delay, and countermeasures) of both highway and rail traffic at points where they intersect at grade, including the proximate surrounding environment and also including rail transit facilities.

AHB65 Operational Effects of Geometrics
This committee is concerned with geometric design as related to traffic operations and safety.

AHD00 Section - Maintenance

AHD10 Maintenance and Operations Management
This committee is concerned with all aspects of the management of the maintenance and operations of highway transportation facilities.

AHD15 Maintenance and Operations Personnel
This committee is concerned with the personnel policies of the various transportation organizations relative to maintenance and operations; the salaries and wages of positions in such groups; and the selection and training of maintenance and operations personnel.

TRB Committees and Scopes

AHD20 Pavement Maintenance
This committee is concerned with causes of pavement deterioration and corrective measures to improve surface and subsurface conditions in a safe and effective manner meeting motorist expectations.

AHD25 Sealants and Fillers for Joints and Cracks
This committee is concerned with all of the factors which affect the use and performance of sealants and fillers for joints and cracks used in the construction, maintenance and rehabilitation of transportation facilities.

AHD30 Structures Maintenance
Scope: This committee is concerned with materials, equipment and procedures related to the diagnosis, planning and implementation of inspection, preservation, repair, rehabilitation, strengthening and upgrading of transportation structures including bridges, box culverts, tunnels, retaining walls or similar structures.

AHD35 Bridge Management
Scope: This committee is concerned with selection and evaluation of cost-effective programmatic optimal strategies for comprehensive management of bridges and structures. It is concerned with identifying and communicating critical data needs and vulnerability assessments for their effective lifecycle cost analysis and management.

AHD40 Polymer Concretes, Adhesives, and Sealers
This committee is concerned with the investigation of polymer concrete, adhesives, and sealers as they relate to the construction and rehabilitation of transportation facilities. Acrylics, epoxies, polyesters, urethanes, latex formulations, and other polymeric materials together with their modifications are included. Excluded from consideration are Portland Cement, asphalt, and tar, except where they are utilized as modifiers for polymerization products.

AHD45 Corrosion
This committee is concerned with all factors which influence corrosion of metals, with means for mitigation of corrosion of metals, and with means for dissemination of information about prevention and control of corrosion of metals.

AHD50 Roadside Maintenance Operations
The committee's concerns involve roadside maintenance practices, operations, methods, materials and equipment, exclusive of traffic control devices, leading to a realistic balance between safety, aesthetics, service, conservation of capital, preservation of the original investment and with guidance for planners, designers, construction and maintenance personnel.

AHD55 Signing and Marking Materials
This committee is concerned with all factors affecting the choice, use and performance of paints, durable markings, plastics, and optical elements used in retroreflective materials and devices for delineation and signing.

AHD60 Maintenance Equipment
This committee is concerned with selection, repair, replacement, development, employment, and management of maintenance equipment.

AHD65 Winter Maintenance
This committee is concerned with all aspects of snow and ice removal and fog control, including advanced meteorological forecasting; snow accumulation and drift prevention; management of snow and ice removal including performance measures for specified levels of service; snow and ice removal equipment; plowing and disposal procedures; drainage of melting snow and ice including National Pollution Discharge Elimination System impact of snowmelt; pavement heating and automated anti-icing systems; materials for dispersing fog or disbonding snow and ice; fundamental aspects of fog control, ice adhesion, and heat transfer as they influence operation and roadway safety, mobility and control of traffic under adverse winter conditions.

AL000 Legal Resources Group

AL010 Transportation Law
Legal issues arising from operating the Nation's surface transportation system, including but not limited to issues regarding commercial and private motor vehicles, the transportation of hazardous materials, multimodal transport of goods, interstate and international commerce, and highway safety and traffic control. The committee provides a forum for the discussion and encouragement of research on the balancing of economic efficiency, safety, and other concerns regarding these matters. The committee will also focus on legal issues related to private investment in public transportation systems, including public finance, public/private partnerships, privately financed toll facilities and the like.

TRB Committees and Scopes

AL020 Transit and Intermodal Transportation Law
This committee is concerned with the legal processes and problems involved in planning, funding, constructing, and operating transportation systems using fixed guideways, streets and highways, and/or water transport. On its own initiative or in conjunction with others, the committee's activities address the identification and correlation of research on the legal issues involved in the development and operation of transit and intermodal transportation systems, and include preparation and presentation of exploratory and interpretive studies relating to these issues, and publication of the results of such research. A major interest of the committee is in fostering research on multimodal transportation systems and the legal issues pertaining to such systems.

AL030 Contract Law
All matters pertaining to the formation, construction, interpretation, and administration of legal contracts affecting transportation systems operations, with special emphasis on the problems arising out of the process of contracting for the construction, improvement, maintenance, and repair of highways and highway-related projects, ranging from the pre-qualification and bidding stage through the adjustment and litigation of highway contract claims.

AL040 Emerging Technology Law
To investigate and provide a forum for the discussion of legal and public policy issues arising from the identification, development, and application of emerging technology to transportation systems, including legal issues associated with the creation of appropriate public institutions, legal authority, procurement, contracting for innovation, data rights, public access to information, liability and risk allocation, public/private partnering, and related concerns.

AL050 Environmental Issues in Transportation Law
The issues raised by the effect of the construction and operation of transportation systems on various aspects of the natural and man-made environment and the handling of these issues through legal processes, including legislation, court decisions, and administrative procedures. Application of research in the various sciences and engineering technology to the processes of the legal system are emphasized. Trends in environmental problems connected with the planning, design, construction, and operation of transportation systems are monitored, reviewed, and analyzed.

AL060 Eminent Domain and Land Use
The application of eminent domain and police power controls to land for highway purposes, including specific problems involving the legal basis and processes of land acquisition for highway purposes and control of roadside land use, and the techniques of using the results of legal research in condemnation, purchase, and regulation of land for highway purposes.

AL070 Tort Liability and Risk Management
This committee will fill the need of the states for research, education, and training in the areas of tort liability and the administration of risk management. Its membership will be composed of attorneys, engineers, and administrators concerned with liability and risk management. Its members will provide useful insight and act as liaison, when requested, to other safety-conscious committees within TRB.

AN000 System Users Group

ANB00 Section - Safety

ANB10 Transportation Safety Management
The committee will be concerned with the development and coordination of integrated safety management programs to reduce death and injury on transportation systems. Areas of concern include: 1) the advancement of safety management systems, 2) research and technology to improve safety, and 3) models of safety delivery systems.

ANB20 Safety Data, Analysis and Evaluation
This committee is concerned with the study of highway safety. This includes the collection, maintenance and use of crash records and related highway, driver, and vehicle data; the development of theories, analytical techniques, and evaluation methodologies for improving the understanding of highway safety; and the application of these theories, techniques and methods to identify driver, vehicle and/or roadway-based treatments that will enhance the safety of the transportation system.

ANB25T Task Force on the Development of the Highway Safety Manual
This task force will identify and encourage research directed toward quantitative modeling of safety impacts of roadway planning, design, operations, and maintenance alternatives and preparation of material for the first edition of the proposed highway safety manual (HSM).

ANB30 Operator Education and Regulation
The scope of this committee covers research and development activities designed to improve the effectiveness of methods of educating and training drivers and operators of surface transportation vehicles.

ANB40 Traffic Law Enforcement
This committee is concerned with research relating to safety effects of enforcement activity and other traffic supervision measures, including those involving the driver and vehicle.

TRB Committees and Scopes

ANB45 Occupant Protection
The Occupant Protection Committee monitors, synthesizes, encourages, and disseminates research activities related to the science of occupant protection, in all modes of transportation and around the world, to promote an evolving research agenda that addresses current and future occupant protection priorities. Occupant protection priorities include restraint system performance and efficiency to optimize protection, including biomechanical issues; economic impact to society; and behavioral measures to increase restraint use such as enforcement and education.

ANB50 Alcohol, Other Drugs, and Transportation
This committee is concerned with alcohol and other drugs as they relate to all significant modes of transportation with particular emphasis on those relationships that are common to more than one mode.

ANB60 Safe Mobility of Older Persons
Stimulate quality research and evaluation, provide a forum for interested researchers and practitioners to disseminate research and related information to those involved and interested in improving the safety and mobility of older drivers.

ANB70 Truck and Bus Safety
This committee will focus on motor carrier safety in all its aspects. This will include research and evaluation in human, roadway, vehicle, operational, organizational, and regulatory arenas as they relate to motor carrier safety.

ANB99B Future Truck and Bus Safety Research Opportunities: A Conference
This conference will provide an opportunity for practitioners and researchers to identify possible directions for future research in large truck and bus safety, based on safety challenges posed by different scenarios such as continuing increases in truck fleet size, changes in vehicle size and weight regulations, developments in intelligent vehicle safety systems, and continuing driver shortages.

AND00 Section - Users Performance

AND10 Vehicle User Characteristics
This committee is concerned with the needs, capabilities, and limitations of vehicle users as these considerations affect the design, operation, and maintenance of personal, commercial and public transportation systems embracing highway and rail operations. The objectives of this committee are to maximize performance, safety, comfort, and efficiency of such systems.

AND20 User Information Systems
The committee's activities will focus on the information exchange between the transportation mode and the user. Particular attention will be placed on defining the informational requirements, user capabilities, and situation and environmental conditions that affect the adequate and accurate transmission of user information. The committee's purview will include all modes of transportation and will also address the interface between modes.

AND30 Simulation and Measurement of Vehicle and Operator Performance
This committee is concerned with the development and use of technology for the measurement and prediction of vehicle and operator performance and behavior. This technology includes simulators, instrumented vehicles, instrumented environments, and models.

AND40 Visibility
This committee is concerned with those factors which affect visibility in all forms of transportation, including relevant human, vehicular and environmental considerations, as well as safety, economics and energy conservation.

ANF00 Section - Pedestrians and Cycles

ANF10 Pedestrians
This committee is concerned with research on pedestrians and pedestrian facilities which will provide safe, comfortable, and efficient walking environments along sidewalks, along and across roadways, and connecting to other modes of transportation. It addresses the planning, design, operation, and maintenance of roadways as they affect use of public rights-of-way by pedestrians. It aims to integrate pedestrian considerations into broader transportation issues.

ANF20 Bicycle Transportation
This committee is concerned with all aspects of bicycling and bicyclists and criteria for bicycle facilities to assure that the bicycle rider has safe, convenient and efficient travel.

ANF30 Motorcycles and Mopeds
This committee is concerned with all aspects of motorcycles and mopeds, including the operator, the vehicle, and the transportation environment.

AP000 Public Transportation Group

TRB Committees and Scopes

AP010 Transit Management and Performance
The committee is concerned with the improvement of transit management through the analysis and development of management techniques, the identification of transit performance measures and the evaluation of their use for the improvement of transit management and for local, state and national decision-making.

AP015 Transit Capacity and Quality of Service
The committee will research and discuss transit capacity and quality of service issues and needs, and assist in updating and revising the TCRP Transit Capacity and Quality of Service Manual. The committee is also concerned with relationships among those physical and non-physical factors that are found to affect: the capacity of transit services, the comfort, convenience, safety and security of riders; measurement techniques for obtaining such data; and, acceptable standards of service based on measurable characteristics.

AP020 New Public Transportation Systems and Technology
New concepts of transportation development, including new or emerging modes of travel, modification of existing modes and facilities, and the necessary requirements of new transportation modes as related to patterns of urban development.

AP025 Public Transportation Planning and Development
Evaluation of marketing and patronage, service, price policy, product planning, promotion policy, social services, changes in employment and recreational patterns and related factors.

AP030 Public Transportation Marketing and Fare Policy
The committee is concerned with the improvement, responsiveness and marketing of public transportation systems to consumers and the development of research and application useful to management in making public transportation more attractive to users and potential users, including improvement of service, routes, schedules, fare-policy, and user information systems.

AP035 Transit Fleet Maintenance
This committee is concerned with all maintenance aspects of public transportation fleets, including heavy rail, light rail, bus, paratransit, and new technology fleets.

AP040 Major Activity Center Circulation Systems
The committee will be concerned with the full range of relationships among those physical and non-physical factors which are found to affect the healthful functioning of major activity centers (MACs). These include the demand for circulation services and their relationship to land use densities and configurations; the capacities and physical characteristics of automated people movers (APMs) and other systems designed to meet circulation needs, such as moving walkways, automated guided vehicles, and shuttle services; and economic aspects of the operations and maintenance of APMs, such as costs, contracting arrangements and revenue opportunities.

AP045 Intermodal Transfer Facilities
All aspects of planning relating to terminals, transfer of mode facilities or mode interfaces including external and internal terminal environment, access systems, modes transfer systems, service standards.

AP050 Bus Transit Systems
All factors relating to the planning and administration of bus transit systems, including the planning and development of exclusive bus lanes or facilities giving preferential use to buses, including the forecasting of demand, financing and implementation.

AP055 Rural Public and Intercity Bus Transportation
This committee is concerned with the demand for and supply of passenger transportation in rural areas and intercity bus service. Aspects to be considered include management; marketing; economics; finance; planning; operations; and charter, tourist, and package delivery services. These concerns include the development of improved methods for the coordination of transportation provided by intercity bus companies, rural public transportation organizations, and social service agencies.

AP060 Paratransit
The development and application of such concepts as taxis, jitneys, demand systems, rent-a-car, and so forth, and their potential, both collectively and individually, as viable urban transport alternatives.

AP065 Rail Transit Systems
Factors relating to the planning of rail mass transit systems including system and corridor determination. Evaluation of planning impact, operational characteristics and alternative propulsion systems and other technological innovations.

AP070 Commuter Rail Transportation
This committee is concerned with the planning, management, and operation of non-intercity passenger transportation service on existing railroads and with the development of new commuter rail service.

TRB Committees and Scopes

AP075 Light Rail Transit
This committee is concerned with the development and operation of light rail transit systems. All functional aspects of light rail transit are considered, including: management, planning, finance, design, construction, technology, labor, safety, performance, intermodal coordination, joint development and evaluation.

AP080 Rail Transit System Design
This committee is concerned with the identification of research needs and dissemination of research related to the design, maintenance, and construction of transit right of way infrastructure features such as track, traction power systems, structure, stations, communications and signals, and other related features located in a heavy, light, or commuter rail transit system.

AP085 Ferry Transportation
The purpose of the committee is to foster and distribute useful research concerning ferry systems to users, operators, suppliers, manufacturers, and regulators. The scope of the research activities concerns ferry requirements, operations, planning, management, design, construction, maintenance, and utilization. Ferries that operate in ocean, coastal, inland, and river environments are included. Ferries are defined as vessels that carry passengers and vehicles with drivers.

AR000 Rail Group

AR010 Intercity Rail Passenger Systems
The committee is concerned with research that will lead to better planning and implementation of intercity rail passenger systems, with particular emphasis on the full range of high-speed systems including new technology. This research will include demand analysis, financial considerations, economic impacts (including consideration of user and social benefits), and public-private partnerships. The research should also address impacts on other rail operations, coordination with other modes, rail-highway interfaces, corridor versus system concerns, technology assessment, environmental impacts, and implementation strategies.

AR020 Guided Intercity Passenger Transportation
The committee is concerned with the design and construction of guided intercity and commuter passenger and high-speed/high-value freight transportation systems, operating over fixed rights-of-way, excluding systems operating on the pavements of public highways or by conventional airways. The committee will address feasibility determinations including initial and operating cost estimates for specific systems, safety and environmental issues, terminals, support facilities, track and guideways, operations and maintenance, security, and vehicles. Advanced systems, such as electromagnetic levitation (maglev) will also be considered.

AR030 Railroad Operating Technologies
This committee is concerned with exploration of innovative strategies and application of new technologies to enhance and support rail freight, passenger, and transit operation. The committee's focus areas include command, control, communications, and information (C3I) systems; energy supply, distribution, efficiency and propulsion systems. The committee is concerned with technical aspects of new technology implementation, as well as system safety, reliability, and maintainability. Consideration is also given to economic factors, including benefits and life-cycle costs.

AR040 Local and Regional Rail Freight Transport
This committee is concerned with the spectrum of issues related to shortline and regional freight railroads, such as relationships with Class 1 carriers, including impacts of mergers; demand for shortline and regional freight services, including intermodal traffic; evaluation of long-term financial viability; integration into the state transportation planning process; private and public investment strategies, including public/private partnerships; safety; regulatory impacts; and implementation of new technology.

AR050 Railroad Track Structure System Design
This committee is concerned with the factors, both internal and external, influencing the interactions that occur between the various components of a track structure and its supporting systems. This includes the development, evaluation and application of new and existing theories and technology all directed toward a better understanding of the performance of the system as a whole. Among the factors of interest are dimensions and mechanical properties of components, traffic loadings, and their interaction with the track system, safety, economics, environmental conditions, construction and maintenance.

AR060 Railway Maintenance
The committee is concerned with education, planning, administration, and management of railway fixed plant maintenance with emphasis on problem definition, methodologies for their solution, and technology transfer.

AR070T Task Force on Railroad Operational Safety
This task force will define, encourage, and disseminate research that will enhance the performance, safety, efficiency, and comfort of those who are involved in railroad and other fixed guideway operations, and users of fixed guideway transportation.

AT000 Freight Systems Group

TRB Committees and Scopes

AT010 Freight Transportation Economics and Regulation
The scope of this committee includes all aspects of research pertaining to domestic and international surface freight transportation economics and regulation. Consideration will be given to research into the impact of regulation on social, public, and private costs and benefits; among the various modes; on regulated vis-à-vis unregulated carriers; and on technological change.

AT015 Freight Transportation Planning and Logistics
This committee is concerned with the factors that affect the demand for freight services, the operating costs incurred in transporting freight, the type, quality, and quantity of demand for current and future freight service, and the various factors that affect the selection of modal alternatives for the movement of freight.

AT016T Task Force on Innovations in Freight Transportation Modeling
This task force is concerned with the development of freight modeling tools and related information sources to bridge and support freight transportation planning and investment decisions. Emphasis will also be placed on techniques that support research and development needs to implement innovative and relevant freight transportation models. The task force will serve as an information exchange for researchers, practitioners, and private sector freight interests about the state of the art and practice in urban and regional freight transportation modeling approaches. Liaisons will be established with transportation planning and freight transport committees and communities.

AT020 International Trade and Transportation
This committee will be concerned with research, management, and regional, national or international policy issues associated with international trade and transportation (inter-country movements and their domestic connections); trends and market forces in trade and international transportation; technological, economic, financial, institutional, or managerial innovations; and barriers to international trade in transportation goods and sciences.

AT025 Urban Freight Transportation
The committee is concerned with the study and research of urban freight transportation topics and issues, including urban transportation system demand and economic relationships, right-of-way issues, pick-up and delivery needs, terminal transportation needs, institutional challenges, and new technology, with an emphasis on providing support to practitioners.

AT030 Agricultural Transportation
This committee is concerned with infrastructure, economic, institutional, operational, equipment, technological, and capacity issues influencing and affecting the movement of agricultural products by all modes of transportation. While the emphasis will be on North American transport systems, consideration will also be given to international developments that have an impact on the global market for U.S. agricultural products.

AT035 Military Transportation
This committee addresses issues of planning and management of military use of U.S. commercial ports and airports; connecting channels, roads and railroads; and associated private and non-military public sector transportation equipment and services. Attention will be given to development issues; technology relating to cargo handling and communication; port access; logistics; and local, state and national issues which contribute to or conflict with the integration of military use of the nation's multimodal and intermodal transportation systems.

AT040 Transportation of Hazardous Materials
This committee is concerned with the protection of human health and the environment through the safe packaging, handling and transportation of hazardous materials, and effective response to hazardous materials incidents. The focus will be on risk management process development; type and extent of hazards associated with materials shipments; conditions and forces encountered during transportation of hazardous materials; consequences associated with hazardous materials transport incidents; legal and regulatory controls affecting hazardous materials; support and training for state and local hazardous materials transportation and emergency response personnel; sources of information to support analysis, planning and response; tools and technology to support risk assessment; and risk communication.

AT045 Intermodal Freight Transport
The scope of this committee includes all aspects of research pertaining to intermodal freight transport. Attention will be given initially to rail-water, rail-highway, highway-water, and highway-air modal combinations, but other combinations may be considered later. As used here, intermodal freight transport includes all shipments that employ more than one mode in a single through movement from origin to destination; local pick-up and delivery by truck for others not included. Consideration of rates, routes, services, transfer facilities, containers, and other items that impact the movement of freight in intermodal transport are included.

AT050 Intermodal Freight Terminal Design and Operations
This committee is concerned with the design and operation of intermodal freight terminals. Intermodal includes rail-truck, rail-barge or rail-marine. The design includes loading and unloading equipment, track layouts, trailer and container storage areas, identification and retrieval systems, inspection and maintenance facilities, control systems, and highway, rail, and water interfaces.

TRB Committees and Scopes

AT055 Motor Vehicle Size and Weight
This committee is concerned with the issue of motor vehicle size and weight, and the problems associated with larger and heavier trucks. It is concerned with the social, economic and political factors related to motor vehicle size and weight; the interrelationships of larger loads with pavements, shoulders, structures, facility capacity, safety and the environment; and the effects of changing vehicle dimensions on carrier and highway economics, on other modes of freight transport, and on labor and management.

AT060T Task Force on Trucking Industry Research
The task force is concerned with a broad range of issues related to the trucking industry that require a multidisciplinary approach to developing a research agenda. The task force will focus its efforts on cross-cutting industry issues, such as business economics, operations, logistics, shipper/carrier/consignee issues, and labor market and human resource issues. Through cooperative efforts with other relevant TRB committees and outreach and education efforts to the trucking industry and to public sector agency officials, the task force will develop a trucking research agenda.

AT099A Freight Transportation Industry Roundtable
The Freight Transportation Industry Roundtable will provide a forum for the discussion of the context and underlying issues that could have importance for the development of future U.S. freight transportation initiatives. The roundtable will hold up to three invitational workshops to provide an opportunity for public-sector officials to discuss priority national freight transportation needs with industry representatives and experts in related fields. Direct participation from the freight industry (including shippers and carriers of all modes), along with experts in high-level systems integration, private-sector logistics, public-sector infrastructure, finance, economics, international trade flows, and organizational development, will help clarify the background issues and identify types of freight transportation system improvements that might be targeted by national freight initiatives.

AV000 Aviation Group

AV010 Intergovernmental Relations in Aviation
This committee is concerned with the intergovernmental aspects of research, planning, programming, development, coordination and implementation of airports and their improvements, and other related aviation matters. These include, but are not limited to: 1) intermodalism; 2) intergovernmental coordination, to include international and quasi-governmental organizations; 3) the interrelation of metropolitan, state, and national airport systems planning; 4) programming of local, state, and federal financing for aviation planning and development; and 5) the development of an efficient, economically effective, environmentally acceptable and safe total aviation system.

AV020 Aviation System Planning
The committee addresses planning activities in aviation from airport master planning at the local level, through regional and state airport planning, to national airport system planning. The scope of the committee's activities addresses the technical content of these planning activities and their interrelationship, as well as the role of airport system planning within the broader multimodal planning process.

AV030 Environmental Impacts of Aviation
The Committee on the Environmental Impacts of Aviation focuses on environmental issues central to airport planning, design, construction and operation, as well as to related aviation system and aviation technology development issues. The committee fosters the integration of information developed in the wide range of scientific and professional practice disciplines that are relevant to airport/aviation environmental issues to support improved planning and decision-making. The Committee seeks through empirical research and policy analysis to facilitate and improve the "rigorous and objective" understanding and assessment of the environmental impacts of aviation required by NEPA and other federal, state and local environmental statutes and regulations; to promote consideration of tradeoffs among the various potential environmental impacts generated by development alternatives in the airport planning process; and to encourage the integration of technically sound, effective impact monitoring and mitigation in the resulting development process. In addition to coordination with TRB's aviation committees, the Committee maintains active liaison with TRB's other environmental committees and recognizes that on many issues of basic science these other environmental committees have expertise that is pertinent and essential to the mission of this committee. To this end the Committee participates, whenever possible, in the activities of TRB's environmental section.

AV040 Aviation Economics and Forecasting
This committee is concerned with all economic and financial issues in commercial aviation relating to major air carriers and their employees, airports and operating authorities, the aerospace community, academic and other research organizations, air travelers and shippers, all levels of government and the general public. These concerns include the development and application of improved methodologies for forecasting commercial aviation demand and activity and the relationship of forecasting to system decisionmaking.

AV050 Airport Terminals and Ground Access
The scope of this committee covers the design, maintenance and operation of the airport landside. The airport landside is defined as the area bounded by the points at which passengers and goods enter the airport by all modes and the point on the apron at which the aircraft is serviced and loaded. The airport landside includes access roads and ramps, parking facilities, the terminal curbside, terminal facilities, and the aircraft apron, including the adjacent taxiway.

TRB Committees and Scopes

AV060 Airfield and Airspace Capacity and Delay
This committee is concerned with the development, evaluation and application of improved techniques for analyzing and measuring airfield and airspace capacity, delay, and aviation system performance, and with activities and actions that increase airfield and airspace capacity and decrease delays. In the conduct of this mission the committee will consider the institutional, financial, environmental, energy and air traffic control issues which affect airfield and airspace capacity and delay.

AV070 Aircraft/Airport Compatibility
The committee is concerned with the development and application of techniques for analyzing the interface of civil aircraft with the airport and its environs and for providing a basis for decisions concerning design and operations of aircraft and airports that are compatible, integrated and cost-effective.

AV080 Light Commercial and General Aviation
This committee will consider publicly and privately supported research and public policy as applied to the light-aircraft component of commercial aviation, consisting of short-haul operations commonly known as regional and/or commuters, and all aspects of general aviation--including fixed- and rotary-wing and other vertical lift vehicles powered by turbofan, turboprop, turboshaft or piston engines. Committee activities are centered on the various aspects of demand forecasting (recognizing the impact of technology advancements and other structural changes affecting the industry), fleet growth and utilization, economics and financing, operations and maintenance, safety, facilities and equipment and development, and agencies, users, and user associations, and equipment manufacturers. Subcommittees: (1) civil vertical flight aviation, (2) business aviation, and (3) regional and commuter airlines.

AV099B Developing Aviation Environmental Design Tools (AEDT) and Aviation Environmental Portfolio Management Tools (APMT)--A Workshop Series
Through a series of sequential workshops, this project will seek broad input from the aviation user, operations, manufacturing, and research communities on the Federal Aviation Administration's (FAA's) plans to develop (1) tools for assessing, in an integrated manner, the noise, emissions, and energy impacts associated with aviation infrastructure development; and (2) analytic tools for an integrated economic assessment of the noise and emissions impacts associated with aviation operations.

AW000 Marine Group

AW010 Ports and Channels
This committee is concerned with issues of planning, financing, and management of coastal and Great Lakes ports and channels. Coverage includes port maintenance and development issues, technology relating to cargo handling and deep draft vessels, landside access, cruise operations, environmental issues, and other local, state, and national issues which contribute to the integration of water transportation into a multimodal transportation system.

AW020 Inland Water Transportation
This committee will consider research related to the movement of freight and passengers by inland and intra- and intercoastal waterways. This will include planning, financing, management, vessels, ports and port facilities, environmental considerations, and engineering and operational aspects. The committee will also focus on the intermodal aspects of inland water transportation and intermodal system integration.

AW030T Marine Environmental Task Force
This task force shall consider the environmental impacts of port, waterway and maritime, and other transportation-related activities on the marine environment. The task force shall focus on environmental issues central to seaport planning, design, construction and operation, as well as potential impacts related to waterways management and maritime technology developments.

MB000 Marine Board
The Marine Board serves the national interest by initiating, and by responding to requests for evaluations and advice concerning the nation's capability to accomplish its marine and maritime objectives.